

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((wobbl\$3 wobbel\$3 meander\$3) adj2 pits) and ((control manag\$6) adj2 (data information)) and transition and \$3phas\$3). clm.	US-PGPUB	OR	ON	2009/07/14 11:05
L2	4	((wobbl\$3 wobbel\$3 meander\$3) adj3 pit) and ((straight normal\$3) adj3 pit) and ((control manag\$6) adj2 (data information)) and \$3phas\$3).clm.	US-PGPUB	OR	ON	2009/07/14 11:08
S1	1	11/898040	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 12:49
S2	189	((meander\$3 wobbl\$3) near5 (pit\$2 mark\$2)) same frame	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:10
S3	49521	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/07/24 15:10
S4	149	S3 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:11
S5	115	((wobbl\$3) near5 (pit\$2)) same frame	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:11
S6	67	S3 and S5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:11
S7	6	((wobbl\$3) near5 (pit\$2)) near10 frame near10 address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:25

S8	13	((wobbl\$3 near5 pit\$2) near10 frame) same address\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:56
S9	13	((wobbl\$3 near5 pit\$2) near10 frame) same (address\$3 header)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 15:57
S10	122	(wobbl\$3 with (mark\$4 pit \$2)) same frame same address\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:03
S11	100	S3 and S10	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:03
S12	54	(wobbl\$3 near3 (mark\$4 pit\$2)) same frame same address\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:08
S13	80	((wobbl\$3 stagger\$3 offset off-set) near3 (mark \$4 pit\$2)) same frame same address\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:13
S14	37	S3 and S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:13
S15	439	((wobbl\$3 stagger\$3 offset off-set) near3 (mark \$4 pit\$2)) same address \$3) and frame	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:15
S16	260	S3 and S15	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:16
S17	122	((wobbl\$3 stagger\$3 offset off-set) near3 (pit \$2)) same address\$3) and frame and S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/24 16:17
S18	49521	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/07/25 10:13
S19	122	((wobbl\$3 stagger\$3 offset off-set) near3 (pit \$2)) same address\$3) and frame and S18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 10:13

S20	10	((("20020048241") or ("20030117920") or ("20030007432") or ("20020041686") or ("5809006") or ("6031815") or ("6223285") or ("6289102") or ("5706268") or ("5818805")).PN.	US-PGPUB; USPAT	OR	OFF	2008/07/25 11:10
S21	20	((wobbl\$3 stagger\$3 offset off-set) near3 (pit \$2)) same address\$3) and frame and S18 and (copy \$6 near2 protect\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 11:16
S22	101	((wobbl\$3 stagger\$3 offset off-set irregular) near3 (mark\$4 pit\$2)) same address\$3) and frame and S18 and (copy \$6 near2 protect\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 11:20
S23	49521	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/07/25 11:25
S24	101	((wobbl\$3 stagger\$3 offset off-set irregular) near3 (mark\$4 pit\$2)) same address\$3) and frame and S23 and (copy \$6 near2 protect\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 11:25
S25	105	((wobbl\$3 stagger\$3 offset off-set shift\$3 displac\$5) near3 (mark\$4 pit\$2)) same address\$3) and frame and S23 and (copy\$6 near2 protect\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:11
S26	317	((wobbl\$3 stagger\$3 offset off-set shift\$3 displac\$5) near3 (mark\$4 pit\$2)) same (header lead-in address\$3)) and frame and S23	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:11
S27	212	S26 not S25	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:12
S28	0	Getruer.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:26

S29	56	Getreuer.in.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:26
S30	32	S29 and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:26
S31	1074	((wobbl\$3 stagger\$3 offset off-set offcenter off- center shift\$3 displac\$5) near3 (mark\$4 pit\$2)) same (header lead-in address\$3)) and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:47
S32	5	(copy\$6 near2 (protect\$4 prevent\$5)) same ((wobbl \$3 stagger\$3 offset off-set offcenter off-center shift\$3 displac\$5) near3 (mark\$4 pit\$2)) same noise and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 12:49
S33	115	S23 and (pit near2 frame)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 14:07
S34	80	S23 and ((number one two three four five six seven eight) near2 pit near2 frame)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 14:10
S35	70	(bi-phase near2 modulation) same (pit mark)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 14:41
S36	234	((bi-phase biphas) near2 modulat\$4) same (pit mark)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 15:32
S37	164	S36 not S35	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 15:32
S38	46	((bi-phase biphas) near2 modulat\$4) same ((wobbl \$3 stagger\$3 offset off-set offcenter off-center shift\$3 displac\$5) near5 (mark\$4 pit\$2))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 15:42
S39	2	((("5572507") or ("20030117920"))).PN.	US- PGPUB; USPAT	OR	OFF	2008/07/25 15:50

S40	664	((wobbl\$3 stagger\$3 offset off-set offcenter off- center shift\$3 displac\$5) near3 (mark\$4 pit\$2)) near10 (header lead-in address\$3)) and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 16:06
S41	0	intermitent\$2 near5 (wobbl \$3 near3 pit\$2) and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 16:52
S42	242	(wobbl\$3 near3 pit\$2) and (blue blu-ray BD) and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 16:53
S43	19	((wobbl\$3 near3 pit\$2) same cop\$7) and (blue blu- ray BD) and S23	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/07/25 16:57
S44	2	((("5848050") or ("7266074")).PN.	US- PGPUB; USPAT	OR	OFF	2008/07/25 17:01
S45	1	"10762538"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 12:48
S46	2	"10/762538"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 12:48
S47	1	("5848050").PN.	US- PGPUB; USPAT	OR	OFF	2009/01/26 12:54
S48	1593	(wobbl\$3 offset\$4 off-set \$4 skew\$3) near2 pit	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 13:13
S49	3122	(wobbl\$3 offset\$4 off-set \$4 skew\$3 modulat\$4) near2 pit	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 13:13
S50	645558	control\$3 near2 (information data)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 13:13
S51	51183	("369").CLAS.	US- PGPUB; USPAT	OR	OFF	2009/01/26 13:14

S52	141	S51 and (S50 same S49)	US; PGPUB; USPAT; EPO; JPO	OR	OFF	2009/01/26 13:14
S53	6	("20020041686"   "5706268"   "5818805"   "6031815"   "6223285"   "6289102").PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:47
S54	2	("20030007432"   "5809006").PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:48
S55	2	("5878007"   "5894463"). PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:48
S56	16	("20010036132"   "20020181358"   "20030012375"   "20030053404"   "20040151091"   "20050099916"   "5572507"   "5737286"   "5799501"   "6021199"   "6223247"   "6353890"   "6519213"   "6550009"   "6664526"   "6885629"). PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:48
S57	10	("20020041686"   "20020048241"   "20030007432"   "20030117920"   "5706268"   "5809006"   "5818805"   "6031815"   "6223285"   "6289102"). PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:49
S58	2	("20020048241"   "20030117920").PN.	US; PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:49

S59	35	("20010036132"   "20020041686"   "20020048241"   "20020048241"   "20020181358"   "20020181358"   "20030007432"   "20030007432"   "20030012375"   "20030053404"   "20030117920"   "20030117920"   "20040076110"   "20040151091"   "20050018555"   "20050099916"   "20050122889"   "4879707"   "5295127"   "5572507"   "5706268"   "5737286"   "5799501"   "5809006"   "5818805"   "5848050"   "5878007"   "5894463"   "6021199"   "6031815"   "6223247"   "6223247"   "6223285"   "6289102"   "6353890"   "6519213"   "6550009"   "6664526"   "6885629"   "7266074").PN.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/01/26 15:50
S60	3223	(wobbl\$3 offset\$4 off-set \$4 skew\$3 modulat\$4) near2 pit	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/13 20:23
S61	677640	control\$3 near2 (information data)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/13 20:23
S62	52615	("369").CLAS.	US- PGPUB; USPAT	OR	OFF	2009/07/13 20:23
S63	149	S62 and (S61 same S60)	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2009/07/13 20:23
S64	49	((bi-phase biphas) near2 modulat\$4) same ((wobbl \$3 stagger\$3 offset off-set offcenter off-center shift\$3 displac\$5) near5 (mark\$4 pit\$2))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/13 20:23

S65	2	((("7248558") or ("5892797")).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/13 20:28
S66	1406	Suh.in. and kim.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/13 21:06
S67	42	Suh.in. and kim.in. and (wobbl\$3 wobbel\$3 meander\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/13 21:07

7/ 14/ 2009 11:26:08 AM

C:\ Documents and Settings\ agiesy\ My Documents\ EAST\ Workspaces\ 10762538.wsp